**SULFURIC ACID AND SULFUR DIOXIDE EMISSIONS FROM STATIONARY SOURCES**
**EPA METHOD 8**

Facility Name:_____VELAP ID_____

Assessor Name:_____Analyst Name:_____Inspection Date_____

| Relevant Aspect of Standards | Method Reference | Y | N | N/A | Comments |
|---|---|---|---|---|---|
| *Records Examined:* SOP Number/ Revision/ Date _____ Analyst:_____<br>Sample ID: _____ Date of Sample Preparation:_____ Date of Analysis:_____ | | | | | |
| If filterable particulate materials were measured along with this method, was sulfuric acid not determined separately? | 1.2 | | | | |
| Were metal probe liners not used? | 6.1.1.1 | | | | |
| Were the filter holders not heated? | 6.1.1.2 | | | | |
| Was the temperature of the gas leaving the impinger train measured to within 1$^{o}$C? | 6.1.1.4 | | | | |
| Were glass fiber filters without organic binders? | Method 5 7.1.1 | | | | |
| Did glass fiber filters exhibit 99.95% efficiency on 0.3 micron dioctyl phthalate smoke particles? | Method 5 7.1.1 | | | | |
| Was the silica gel used the indicating type and 6 to 16 mesh? | Method 5 7.1.2 | | | | |
| Was new silica gel used as received, and used silica gel dried at 175$^{o}$C for 2 hours? | Method 5 7.1.2 | | | | |
| Was 3% $H_2O_2$ prepared fresh daily? | 7.1.4 | | | | |
| Were filters inspected prior to use? | 8.1 | | | | |
| Were stack pressures, temperatures, moisture contents, and velocity ranges determined prior to sampling? | Method 5 8.2.1 | | | | |
| Were the sampling times at any one sampling point not less than 2 minutes? | Method 5 8.2.4 | | | | |
| Were the sampling times at each point the same? | Method 5 8.2.5 | | | | |
| Were the sample trains leak tested prior to initial use and after each shipment? | Method 5 8.4.1 | | | | |
| Did the sampling rates never exceed 0.030 m$^3$/minute during runs? | 8.6.1 | | | | |
| Were probe heaters adjusted upward when condensate was observed in the connecting lines? | 8.6.1 | | | | |
| Notes/Comments: | | | | | |

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| Were post-test leak checks conducted with the leak rates being recorded? | 8.6.2 | | | | |
| Were leak checks conducted when component changes were necessary during a run with the leak rates being recorded? | 8.6.2 | | | | |
| Were sample trains purged for 15 minutes at the end of each run by drawing ambient air through them? | 8.6.3 | | | | |
| **Container #1** | | | | | |
| Was the first impinger weighed to the nearest 0.5 g if moisture content analysis was performed? | 8.8.1.2 | | | | |
| Were the contents of the first impinger, the probe, the front half of the filter hold, and all of the glassware in front of the filter holder all rinsed with 80% isopropanol into a cylinder? | 8.8.1.2 | | | | |
| Were the contents of the cylinder rinsed into a storage container with 80% isopropanol? | 8.8.1.2 | | | | |
| Was the filter placed into the storage container, and the storage container shaken? | 8.8.1.2 | | | | |
| Was the storage container sealed, and its liquid level marked? | 8.8.1.2 | | | | |
| **Container #2** | | | | | |
| Were the second and third impingers weighed if moisture content analysis was performed? | 8.8.2.1 | | | | |
| Was the silica gel weighed to the nearest 0.5 g? | 8.8.2.1 | | | | |
| Were the contents of the second and third impingers, the back half of the filter holder, and the glassware between the filter holder and silica gel impinger rinsed with water into a 1-Liter graduated cylinder? | 8.8.2.2 | | | | |
| Were the contents of the graduated cylinder rinsed with water into a storage container with 50 mL water? | 8.8.2.2 | | | | |
| Was the liquid level of the storage container marked, and the storage container sealed? | 8.8.2.2 | | | | |
| Notes/Comments: | | | | | |